## ATTORNEY DOCKET NO. PHX-0038

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING FACSIMILE TRANSMITTED TO THE UNITED STATES PATENT AND TRADEMARK OFFICE, FAX NO. (703)305-9822 ON 25 Trate 2002.

JOSEPH E. MAENNER

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Renyuan GAO et al.

Serial No.: 10/045,317

: Group Art Unit: Not Yet Assigned

Filed: 7 November 2001

: Examiner: Not Yet Assigned

For: POLYMER OPTICAL WAVEGUIDES

ON POLYMER SUBSTRATES

Commissioner of Patents and Trademarks

Washington, D.C. 20231

Sir:

## **CERTIFICATION**

I hereby certify that the documents included herewith, including patent application (17 pages), drawing (1 sheet), Declaration and Power of Attorney (4 pages), Assignment and cover sheet (5 pages), and Non-Provisional Utility Patent Application Transmittal Sheet (2 pages), are true and accurate copies of the documents filed with the U.S. Patent and Trademark Office through the United States Postal Service Express Mail Service on November 7, 2001.

Respectfully Submitted,

25500 7002 Date

obh E. Maenner R¢g. No. 41,964

Photon-X. Inc.

291 Great Valley Parkway

Malvern, PA 19355 Tel: (610) 695-6553

Fax: (610) 240-9774

E-mail: jmaenner@photon-x.net

FORM PTO-1595 (Modified) 1-31-92

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

## PATENTS ONLY **Attorney Docket** No.: PHX-0038 To the Assistant Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): Name of conveying party(ies): Photon-X, Inc. Renvuan Gao 291 Great Valley Parkway Donald S. Bitting Malvern, PA 19355 Robert M. Mininni Robert A. Norwood Kazuya Takayama 3. Nature of conveyance: [X] Assignment ] Merger Change of Name Security Agreement [ ] Other: Execution Date: 7 November 2001 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: 31 October 2001 B. Patent No.(s): A. Patent Application No.(s): Additional numbers attached?[ ] Yes [X] No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: [1] document should be mailed: 7. Total fee (37 CFR 3.41) Cal. $\underline{1}$ x \$40.00 = $\underline{$}$ 40.00 Joseph E. Macnner, Esquire Photon-X. Inc. [X] Enclosed 291 Great Valley Parkway Authorized to be charged to deposit account Malvern, PA 19355 Telephone: (610) 695-6553 8. Deposit account number: Facsimile: (610) 240-9774 E-Mail: jem@photon-x.net DO NOT USE THIS SPACE 9. Statement and signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Joseph E. Macnner Name of Person Signing Total number of pages including cover sheet, attachments and document: [4]

OMB No. 0651-0011 (exp. 4/04)

Photon-X

**JOINT** 

## **ASSIGNMENT**

WHEREAS, we, Renyuan GAO, a citizen of the People's Republic of China, with a post office address of 413 Strafford Avenue, Wayne, Pennsylvania 19087, Donald S. BITTING, a citizen of the United States of America with a post office address of 37 Rim View Lane, Reading, Pennsylvania 19607, Robert M. MININNI, a citizen of the United States of America with a post office address of 20 Farmersville Road, Califon, New Jersey 07830, Robert A. NORWOOD, a citizen of the United States of America with a post office address of 114 Waterwillow Road, West Chester, Pennsylvania 19380, and Kazuya TAKAYAMA, a citizen of Japan, with a post office address of 606 Parkview Drive, Phoenixville, Pennsylvania 19460, hereinafter generally referred to as "ASSIGNORS", have invented a certain new and useful

Polymer Optical Waveguides on Polymer Substrates	
for which we have executed a United States patent application, Application No filed, 20, and	,

ASSIGNORS authorize ASSIGNEE or ASSIGNEE's representative to insert the Application Number and Filing date of this application if they are unknown at the time of execution of this Assignment.

WHEREAS, Photon-X, Inc., a Pennsylvania corporation having a place of business at 291 Great Valley Parkway, Malvern, PA 19355, hereinafter generally referred to as "ASSIGNEE", is desirous of acquiring said invention and said patent application.

NOW, THEREFORE, in consideration of the sum of One Dollar and other good and valuable executed consideration, the full receipt and sufficiency of all of which are hereby acknowledged, and intending to be legally bound hereby, we, the undersigned ASSIGNORS, hereby agree to sell, assign, transfer and convey and by these presents do sell, assign, transfer and convey unto the above-named ASSIGNEE, the whole and entire right, title and interest

in and to said invention as described in the above patent application, for the territory of the United States and its possessions and territories and all foreign countries;

in and to the above patent application and any and all related United States and foreign patent applications disclosing said invention, including provisionals, non-

provisionals, divisions and continuations thereof, along with all rights of priority created by said patent application under any treaty relating thereto; and

in and to all United States and foreign patents which may be granted on any and all of said patent applications, including extensions, reissues and reexamination certificates thereof;

said invention, application(s) and patent(s) to be held and enjoyed by the above-named ASSIGNEE, for ASSIGNEE's own use and benefit, and for ASSIGNEE's legal representatives and assigns to the full end of the term or terms for which said patent(s) may be granted, as fully and entirely as the same would have been held by the undersigned ASSIGNORS had this assignment and sale not been made; and for the aforesaid consideration ASSIGNORS hereby covenant, agree and undertake to execute, whenever requested by the above-named ASSIGNEE, all patent applications, assignments, lawful oaths and any other papers which ASSIGNEE may deem necessary or desirable for securing to ASSIGNEE or for maintaining for ASSIGNEE all the patent(s) hereby assigned or agreed to be assigned; all without further compensation to the undersigned ASSIGNORS.

Wu 6, 200)

(Seal)

COMMONWEALTH OF PENNSYLVANIA

SS.

**COUNTY OF CHESTER** 

Before me, a notary public in and for the State and County aforesaid, on this day of humber, 2001, personally appeared RENYUAN GAO, who being to me personally known, and who having first executed the foregoing instrument in my presence and have been by me first duly sworn, did acknowledge the foregoing instrument as his free deed and act, signed, sealed and delivered by him for the purpose therein stated and intending to be legally bound thereby and intending that said instrument be recorded.

My Commission Expires:

NOTARIAL SEAL
CHRISTINE J. SCHMIDT, Notary Public
Malvern Boro, Chaster County
My Commission Expires June 6, 2005

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COMMONWEALTH OF PENNSYLVAN	NIA : : ss.		
COUNTY OF CHESTER	:		d
Before me, a notary public in and for of www. 2001, personally appear personally known, and who having first exemption have been by me first duly sworn, did acknown, signed, sealed and delivered by him for bound thereby and intending that said instru	cuted the foregoing insowledge the foregoing in the purpose therein sta	trument in my prese	nce and e deed and
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11-7-01 (Date)  COMMONWEALTH OF PENNSYLVA	MIA :		(Seal)
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of Before me, a notary public in and for the personally known, and who having first exhave been by me first duly swom, did acknown, signed, sealed and delivered by him for	ecuted the foregoing in	istrument in my pres	ence and ee deed and

bound thereby and intending that said instrument be recorded.

My Commission Expires

NOTARIAL SEAL CHRISTINE J. SCHMIDT, Notary Public Malvern Boro, Chester County My Commission Expires June 6, 2005

(Seal)

COMMONWEALTH OF PENNSYLVANIA

SS.

COUNTY OF CHESTER

Before me, a notary public in and for the State and County aforesaid, on this / day www. 2001, personally appeared ROBERT A. NORWOOD, who being to me personally known, and who having first executed the foregoing instrument in my presence and have been by me first duly sworn, did acknowledge the foregoing instrument as his free deed and act, signed, sealed and delivered by him for the purpose therein stated and intending to be legally bound thereby and intending that said instrument be recorded.

otary Public CHRISTINE J. SCHMIDT, Notary Public Malvern Boro, Chester County

My Commission Expires My Commission Expires June 6, 2005

(Seal)

COMMONWEALTH OF PENNSYLVANIA

SS.

COUNTY OF CHESTER

Before me, a notary public in and for the State and County aforesaid, on this www. 2001, personally appeared KAZUYA TAKAYAMA, who being to me personally known, and who having first executed the foregoing instrument in my presence and have been by me first duly sworn, did acknowledge the foregoing instrument as his free deed and act, signed, sealed and delivered by him for the purpose therein stated and intending to be legally bound thereby and intending that said instrument be recorded.

My Commission Expires

CHRISTINE J. SCHMIDT, Notary Public Malvern Boro, Chester County My Commission Expires June 6, 2005